(b) whether Government have conducted any survey to replace plants/ machinery in the projects engaged in existing power generation; and

(c) if so, the details thereof and total amount likely to be spent thereon together with the annual increase in power generation?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) Yes, Sir. It is fact that power generation in the projects can be increased by undertaking Renovation & Modernisation (R&M).

(b) and (c) Government of India recognised and importance of R and M in 1984 to improve the performance of old thermal generating units. Based on the performance analysis, 34 thermal power stations having 163 units with a total installed capacity of 13570 MW were identified for carrying out R&M during 7th Plan period. A total amount of Rs. 1066 crores was incurred resulting into an additional generation of about 10,000 Million Units/Year. Subsequently, 44 thermal power stations having 198 generating units were identified under Phase-II programme during 8th Plan at an estimated cost of Rs. 2383 crores. The programme is at various stages of completion and on all-India basis, about 75% works have been completed resulting into an additional generation of 5000 Million Units per Year after completion of partial works. Further, a large number of thermal units have completed/nearing completion their useful economic life and to keep these units in economical operation for another 15-20 years, many parts of the plants will need to be replaced under R&M/ Life Extension programme.

Similarly, 55 hydel schemes with an aggregate installed capacity of 9653 MW were identified at an estiamted cost of Rs. 1493 crores to accrue benefits of 2531 MW/7181 MUs.

Demand for Power

†4835. SHRI BALWANT SINGH RAMOOWALIA:
DR. D. MASTHAN:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the demand for power in the country by 2012 is estimated to be of 1,07,000 MWs;

(b) if not, what are the facts in this regard and whether Government have

†Original notice of the question was received in Hindi.

fixed any target-quantum to increase power production in thermal or hydro sector in order to achieve, the above target;

(c) whether projects have also been identified for achieving the target; and

(d) if so, the names of those new projects alongwith the production capacity thereof?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) to (d) According to 15th Electric Power Survey published in July, 1995, the peak load demand for the country as a whole by the end of 2011-12 is estimated as 1,76,647 MW.

To meet the above demand, the installed capacity requirement works out to about 2,40,000 MW at the end of 11th Plan.

Projects totalling 1,20,232 MW for benefits during the period 1999—2012 from various sanctioned and on-going projects, Central Electricity Authority cleared and new projects have been identified in the Report on 'Power on Demand by 2012'. This comprises 33,980 MW of hydro, 75,992 MW of thermal and 10,260 MW of nuclear. The list of new projects selected is enclosed as statement.

STATEMENT

Details of New Schemes

S.No.	Plants Name	Installed Capacity (MW)
NORTHERN REGION		
1.	New Delhi	350
2.	Rihand-II	1000
3.	Unchahar-II	500
4.	NCTPP-X	500
5.	GHTPP (Bhatinda)	500
6.	Govindwal	500
7.	Partapur†	2000
8.	Jawaharpur	800
9.	Bawana CCGT	421
10.	Faridabad-II	400
11.	K-Wangtoo-2	500

S.No.	Plants Name	Installed Capacity (MW)
12.	K Wangtoo-1	500
13.	Hibra x allin	423
14.	UHL x DHAM	170
15.	Uri-2	480
16.	Parbati-3	501
17.	Parbati-1	750
18.	Mini Hydro-1	100
19.	Mini Hydro-2	100
20.	RHPP	500
21.	New Hydro	2300
22.	Sri. Ngr.	330
23.	Tuini Plasu	42
24.	D. Ganga-is x G. Ganga	350
25.	Palamaneri	460
26.	Anta 3	650
27.	Auriya 3	650
28.	New Nuclear	1000
29.	RAPP 5,6	1000
30.	RAPP 7,8	1000
31.	Jalipa x Kapurdi	1500
Western Region		
1.	Mundra TPP	500
2.	Korba RPG	520
3.	Vindyachal-3	1000
4.	Sipat-I	2000
5.	Sipat-II	1000
6.	Akrimota	250
7.	Ghoga	375
8.	Chhara CCGT	600
9.	Narmada CCGT	1000
10.	Pipavav CCGT	2000
11.	Ghandhar 3	650

S.No.	Plants Name	Installed Capacity (MW)
12.	Kawas 3	650
13.	KAPP Extn.	1000
14.	Jaitapur APP	1000
Southern region		
1.	K. Patnam	1500
2.	K. Patnam-A	520
3.	Cuddalore	1000
4.	Bangalore	500
5.	Telgi/Bijapur	350
6.	Cheyur	1000
7.	Almati Dam	297
8.	New Karnataka	810
9.	Cauveri	1050
10.	Kayamkulam-2A	1200
11.	Kayamkulam-2B	750
12.	Jegurupadu-2	240
13.	Kaninminke CCPP	108
14.	Nagarjuna CCPP	110
15.	Thubinkere CCPP	164
16.	Vidadi-Hasan	200
17.	Jayankundam	1500
18.	Srimushan	250
19.	Kaiga-5,6	440
20.	Kadankui-2	2000
21.	FBR	500
Eastern + N. Eastern Region		
1.	Maiza-2 Ext.	500
2.	Maithon-Ibc-ex.	500
3.	Khahalgaon-2 U1,2	1000
4.	Khahalgaon-2-U-3	500
5.	Chandil	500
6.	N.K. Pura	500

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S.No.	Plants Name	Installed Capacity (MW)
7.	BARH. TPS	500
8.	N.K. Pura-1	1500
9.	BARH. TPS. 1	1500
10.	Hirma St. 1	3960
11.	T. mukh	1500
12.	Tuvai	51
13.	Dikrong	100
14.	Kolodyne	90
15.	Dhaleshwari	120
16.	L. Kopili	150
17.	Papump	100
18.	Sisri	225
19.	Pakke	75
20.	Ranganadi-II	180
21.	Teesta-IV	495
22.	Teesta-VI	360

Financial outlay of REC

†4836. SHRI DILIP SINGH JUDEV: Will the Minister of POWER be pleased to state:

(a) whether the financial outlay has drastically been reduced on the Rural Electrification Corporation (REC) in the years 1998-99 and 1999-2000 in comparison to previous years;

(b) if so, the reasons and rationale behind it;

(c) whether Maharashtra, Madhya Pradesh, Gujarat, Bihar and Rajasthan will be largely affected due to decrease in the planned outlay; and

(d) if so, the steps Government have taken in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) and (b) Government has provided a budgetary support of Rs. 430 crores to Rural Electrification Corporation (REC) during the year 1999-2000 under Normal Programme and Rs. 175 crores under Minimum Needs Programme for carrying out Rural Electrification works in the country.

†Original notice of the question was received in Hindi.